

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A method for correlating a subscriber unit to a physical port in a point to multipoint wire line network comprising:

- (a) prompting an installer to manually input a location code associated with a subscriber;
- (b) receiving the location code in the subscriber unit;
- (c) transmitting the location code via the network to a central repository; and
- (d) storing the location code in the central repository to associate ~~toward associating~~ the location code with the physical port.

Claim 2 (Original): The method of Claim 1 further comprising:

- (d1) checking the location code for errors before storing;
- (d2) upon finding an error, transmitting an instruction to the subscriber unit to indicate error to the installer; and
- (d3) upon finding no errors, storing the location code.

Claim 3 (Original): The method of Claim 2 further comprising prompting the installer to reinput the location code.

Claim 4 (Previously Presented): The method of Claim 1 further comprising:

- (c1) transmitting a site code; and
- (d1) storing the site code in the central repository.

Claim 5 (New): A method comprising:

receiving a location code associated with a subscriber in a subscriber unit in a passive optical network; and

transmitting the location code from the subscriber unit to a repository via the passive optical network for correlation of the location code with a physical port in the network.

Claim 6 (New): The method of claim 5, further comprising receiving the location code by manual entry of the location code into the subscriber unit by a technician.

Claim 7 (New): The method of claim 5, further comprising prompting a technician to manually enter the location code into the subscriber unit.

Claim 8 (New): The method of claim 7, further comprising receiving the location code via a butt set device coupled to the subscriber unit.

Claim 9 (New): The method of claim 5, further comprising transmitting a site code associated with the subscriber unit to the repository.

Claim 10 (New): The method of claim 5, further comprising transmitting a site code associated with the subscriber unit with the location code in an information packet via the network.

Claim 11 (New): The method of claim 5, wherein transmitting the location code includes transmitting the location code to the repository via an optical line terminator coupled to the subscriber unit via an optical fiber link.

Claim 12 (New): The method of claim 5, further comprising correlating the location code with a physical port in the network, and transmitting information packets directed to the subscriber via the physical port.

Claim 13 (New): The method of claim 12, wherein the information packets include voice data for delivery of telephone services to the subscriber.

Claim 14 (New): The method of claim 13, wherein the information packets include voice, video and data content.

Claim 15 (New): The method of claim 5, further comprising directing information packets to one of a plurality of physical ports based on the correlation.

Claim 16 (New): The method of claim 5, further comprising:
checking the location code for errors; and
upon detection of an error in the location code, transmitting an indication of the error to the subscriber unit via the network.

Claim 17 (New): A passive optical network comprising:
an optical line terminator; and
a subscriber unit coupled to the optical line terminator via an optical fiber link,
wherein the subscriber unit receives a location code associated with a subscriber, and transmits the location code to a repository via the optical line terminator for correlation of the location code with a physical port in the network.

Claim 18 (New): The network of claim 17, wherein the subscriber unit includes an interface to receive the location code by manual entry into the subscriber unit by a technician.

Claim 19 (New): The network of claim 17, wherein the subscriber unit includes an interface to prompt a technician to manually enter the location code into the subscriber unit.

Claim 20 (New): The network of claim 17, wherein the subscriber unit includes an interface to receive the location code via a butt set device.

Claim 21 (New): The network of claim 17, wherein the subscriber unit transmits a site code associated with the subscriber unit to the repository.

Claim 22 (New): The network of claim 17, wherein the subscriber unit transmits a site code associated with the subscriber unit with the location code in an information packet via the network.

Claim 23 (New): The network of claim 17, wherein the subscriber unit transmits the location code to the repository via an optical line terminator coupled to the subscriber unit via an optical fiber link.

Claim 24 (New): The network of claim 17, further comprising a controller to correlate the location code with a physical port in the network, and transmit information packets directed to the subscriber via the physical port.

Claim 25 (New): The network of claim 24, wherein the information packets include voice data for delivery of telephone services to the subscriber.

Claim 26 (New): The network of claim 25, wherein the information packets include voice, video and data content.

Claim 27 (New): The network of claim 17, further comprising a controller to direct information packets to one of a plurality of physical ports based on the correlation.

Claim 28 (New): The network of claim 17, further comprising a controller to check the location code for errors and, upon detection of an error in the location code, transmit an indication of the error to the subscriber unit via the network.

Claim 29 (New): A subscriber unit for a passive optical network, the subscriber unit comprising:
a subscriber interface to receive a location code associated with a subscriber; and
a network interface to transmit the location code to a repository via an optical line terminator for correlation of the location code with a physical port in the network.

Claim 30 (New): The subscriber unit of claim 29, further comprising an interface to receive the location code by manual entry into the subscriber unit by a technician.

Claim 31 (New): The subscriber unit of claim 29, wherein the subscriber interface prompts a technician to manually enter the location code into the subscriber unit.

Claim 32 (New): The subscriber unit of claim 29, wherein the subscriber interface receives the location code via a butt set device.

Claim 33 (New): The subscriber unit of claim 29, wherein the subscriber unit transmits a site code associated with the subscriber unit to the repository.

Claim 34 (New): The subscriber unit of claim 29, wherein the subscriber unit transmits a site code associated with the subscriber unit with the location code in an information packet via the network.

Claim 35 (New): The subscriber unit of claim 29, wherein the subscriber unit transmits the location code to the repository via an optical line terminator coupled to the subscriber unit via an optical fiber link.